(1638)

medint

9A-12

RECEIVED

NOV 2 3 2001

TECH CENTER 1600/2900

#14

1600

RAW SEQUENCE LISTING   DATE: 11/14/2001
PATENT APPLICATION: **US/09/622,257A**   TIME: 08:51:47

Input Set : **A:\es.txt**
Output Set: **N:\CRF3\11142001\I622257A.raw**

ENTERED

```
 3 <110> APPLICANT: Champagne Moet & Chandon
 4        Coutos-Thevenot, Pierre
 5        Hain, Rudiger
 6        Schreier, Peter-Helmut
 7        Boulay, Michel
 8        Esnault, Robert
10 <120> TITLE OF INVENTION: NUCLEIC ACID COMPRISING THE SEQUENCE OF A STRESSS-INDUCIBLE
PROMOTER AND
11        A SEQUENCE OF A GENE ENCODING STILBENE SYNTHETASE.
13 <130> FILE REFERENCE: 20061/0091
15 <140> CURRENT APPLICATION NUMBER: US 09/622,257A
16 <141> CURRENT FILING DATE: 2000-08-14
18 <160> NUMBER OF SEQ ID NOS: 3
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1392
24 <212> TYPE: DNA
25 <213> ORGANISM: Medigago sativa
27 <400> SEQUENCE: 1
28 gaattcttca aaaaaaaagt tgcccttgag aaactaataa gttaataaac taagacctct      60
30 aaaaaaaaag ttaataaact aatatgaata ttctctaaac aaaaaataaa actaagaaga     120
32 atatattttg cttatttacc agaaaaatac tttgcttagt caaaagaaga agaatattgt     180
34 gaattaattt gatactgatg atttttaaag ctgtagatat ttacgtattt agttaaaaaa     240
36 atacaattat tatatattta attggtgtgt ctattcaagt gtttaactta agttgaggtt     300
38 tattcttatg ttactaagtt ggagtggaga agaagactat ttgcttggga ggaggaacgc     360
40 ccagtagaat gtgttattat ttttattt tttgtaagga gtagagtgtg ttatgttgct      420
42 tgaataattt ttttttgtag gataatgtat tagacaaata aatttggaaa cacgaccctg     480
44 tcaaagagta cacggtaaag ggggtggtat acaaaagagt gcgtcgctct attcttcagg     540
46 tcatttggtt tgctacagtt taggaaattt gggaggaaag aaataacaga ctgtataacg     600
48 tcaaagaatg ctcggttatt caggtggtag ataagattaa gtttcttgct tttgcatggg     660
50 tgaaggcaaa gtttgcttct cttccattca attaccatgg gtggcggctt agtccgttta     720
52 ccatactgga cataggctaa gagtttttct tttctcgttt ttccattaca agttctttat     780
54 gtaaatactg ttttgacttt ggtgttcttc ccttagtaca ccttgtgcta ggaaggacta     840
56 ttttgatttg gtaatatatt tcattttaac ctcttaaaaa aaaatcagga aaagaaaaag     900
58 ataaaggtcg gaagtgttac ctgattataa aataaatgat taaattgaaa ataaagataa     960
60 ataactaaaa tgttttctat aattaagtta agagatgaaa tatgtaattt tcccaattat    1020
62 atattatgta agttttattt tatttatat acgttgtttt gctttgaaat ttgagtggtc    1080
64 ttggaggaga gaaaacaaaa agagaaaaga aaaattaata gtagatgcaa taattttgtt    1140
66 agtccaaata ataatatagt tttctttaaa aataatatca tccaaactca tacattaaaa    1200
68 atattattca aatttatgtc acgtcacaat gagaaaaaat ggcccaacga ccttgtatta    1260
70 cacatcatcg tcatcatcat ctaaagtcta aacaatacat cttcttttcc tataaataca    1320
72 agactcaact ccactcataa atcacacagg caaacaatta acttcttaat agtttgttat    1380
74 ttcacacatt ag                                                       1392
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 1805
79 <212> TYPE: DNA
80 <213> ORGANISM: Vinifera
82 <400> SEQUENCE: 2
```

```
 83 gatccggctt caattgagga aattagaaac gctcaacgtg ccaagggtcc ggccaccatc      60
 85 ctagccattg gcacagctac tcccgaccac tgtgtctacc agtctgatta tgctgattac     120
 87 tatttcagag tcactaagag cgagcacatg actgagttga agaagaagtt caatcgcata     180
 89 tgtaagtata tatattcatg cattaattct tacattcaca acatttctat acatatacga     240
 91 gtgtgctatt aagtgagggt cacctccaag tgaatgaatg tttcaagctt agagaatagc     300
 93 ttttagctaa attactttag gaaacttgaa aatcatttta catcagtaac cgatattcct     360
 95 ttcatttgat tgtaagggct tgaagagctg ttctttgaat catgtagcat tgctagctat     420
 97 aattaagaat aaccttttat aatttcttca atgttaaatg catgttgatc atcttcaaga     480
 99 atatactata tgactagtcg ttggaaaact aatgtgttca tcttatttct tttacagggt     540
101 gacaaatcaa tgatcaagaa gcgttacatt catttgaccg aagaaatgct tgaggagcac     600
103 ccaaacattg gtgcttatat ggctccatct ctcaacatta cgccaagaga ttatcactgc     660
105 tgaggtacct aaacttggta aagaagcagc attgaaggct cttaaagaat ggggtcaacc     720
107 aaagtccaag atcacccatt cttgtatttt gtacaacctc cggtgtagaa atgcccggtg     780
109 cagattacaa actcgctaat ctcttaggcc ttgaaacatc ggttagaagg gtgatcttgt     840
111 accatcaagg ttgctatgca ggtggaactg tccttcgaac tgctaaggat cttgcagaaa     900
113 ataacgcagg agcacgagtt cttgtggtgt gctctgagat cactgttgtt acatttcgtg     960
115 ggccttccga agatgctttg gactctttag ttaggtcaag cccttttttgg tgatgggtca    1020
117 gcagctgtga ttgttggatc agatccagat gtctccattg aacgaccct cttccaactt    1080
119 gtttcagcag cacaaacgtt tattcctaat tcagcaggtg ctattgcggg taacttacgt    1140
121 gaggtgggac tcacctttca cttgtggcct aatgtgccta ctttgatttc cgagaacata    1200
123 gagaaatgct tgaatcaggc ttttgaccca cttggtatta gcgattggaa ctcgttattt    1260
125 tggattgctc accctggtgg ccctgcaatt cttgatgcag ttgaagcaaa actcaattta    1320
127 gagaaaaaga aacttgaagc aacaaggcat gtgttaagtg agtatggtaa catgtctagt    1380
129 gcatgtgtct ttgtttattt tggatgagat gagaaagaaa tccctaaagg gggaaaaagc    1440
131 tatccacagg tgacggattg gattgggggt actattcggt tttgggccag gcttgaccat    1500
133 tgagaccgtt gtgctgcata gcgttcctat ggttacaaat tgagtggaaa acggtaagag    1560
135 aaatgatata ggggacatgt cttattgtat tatcgagga ggtgctacga aagatatgta    1620
137 catgtatctt caaagttaat aattagtact cctaaatctt ttattcctat cctaacattg    1680
139 agggattgta atttagtgat tgttggaggg tgcagtcacg tcaggcaagt ggatgaaact    1740
141 gcaagtgctt gtcattctgt tatcggggga tcatccatca cactggcggc cgctcgagca    1800
143 tgcat                                                               1805
146 <210> SEQ ID NO: 3
147 <211> LENGTH: 3209
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: DNA sequence comprising the sequence of inducible promoter
PMs PR
153       10-1 linked to gene for grapevine stilbene synthase.
155 <220> FEATURE:
156 <221> NAME/KEY: promoter
157 <222> LOCATION: (1)..(3209)
158 <223> OTHER INFORMATION: Inducible Lucerne promoter linked to grapevine stilbene
synthase
159       gene
162 <400> SEQUENCE: 3
163 gaattcttca aaaaaaaagt tgcccttgag aaactaataa gttaataaac taagacctct      60
165 aaaaaaaaag ttaataaact aatatgaata ttctctaaac aaaaaataaa actaagaaga     120
167 atatattttg cttatttacc agaaaaatac tttgcttagt caaagaaga agaatattgt     180
169 gaattaattt gatactgatg attttttaaag ctgtagatat ttacgtattt agttaaaaaa     240
171 atacaattat tatatattta attggtgtgt ctattcaagt gtttaactta agttgaggtt     300
```

Input Set : **A:\es.txt**
Output Set: **N:\CRF3\11142001\I622257A.raw**

```
173 tattcttatg ttactaagtt ggagtggaga agaagactat ttgcttggga ggaggaacgc   360
175 ccagtagaat gtgttattat tttttatttt tttgtaagga gtagagtgtg ttatgttgct   420
177 tgaataattt ttttttgtag dataatgtat tagacaaata aatttggaaa cacgaccctg   480
179 tcaaagagta cacggtaaag ggggtggtat acaaaagagt gcgtcgctct attcttcagg   540
181 tcatttggtt tgctacagtt taggaaattt gggaggaaag aaataacaga ctgtataacg   600
183 tcaaagaatg ctcggttatt caggtggtag ataagattaa gtttcttgct tttgcatggg   660
185 tgaaggcaaa gtttgcttct cttccattca attaccatgg gtggcggctt agtccgttta   720
187 ccatactgga cataggctaa gagttttttct tttctcgttt ttccattaca agttctttat   780
189 gtaaatactg ttttgacttt ggtgttcttc ccttagtaca ccttgtgcta ggaaggacta   840
191 ttttgatttg gtaatatatt tcattttaac ctcttaaaaa aaaatcagga aaagaaaaag   900
193 ataaaggtcg gaagtgttac ctgattataa aataaatgat taaattgaaa ataaagataa   960
195 ataactaaaa tgttttctat aattaagtta agagatgaaa tatgtaattt tcccaattat  1020
197 atattatgta agttttttatt tattttatat acgttgtttt gctttgaaat ttgagtggtc  1080
199 ttggaggaga gaaaaacaaa agagaaaaga aaaattaata gtagatgcaa taattttgtt  1140
201 agtccaaata ataatatagt tttctttaaa aataatatca tccaaactca tacattaaaa  1200
203 atattattca aatttatgtc acgtcacaat gagaaaaaat ggcccaacga ccttgtatta  1260
205 cacatcatcg tcatcatcat ctaaagtcta aacaatacat cttcttttcc tataaataca  1320
207 agactcaact ccactcataa atcacacagg caaacaatta acttcttaat agtttgttat  1380
209 ttcacacatt agggccagat ggacgatccg gcttcaattg aggaaattag aaacgctcaa  1440
211 cgtgccaagg gtccggccac catcctagcc attggcacag ctactcccga ccactgtgtc  1500
213 taccagtctg attatgctga ttactatttc agagtcacta agagcgagca catgactgag  1560
215 ttgaagaaga agttcaatcg catatgtaag tatatatatt catgcattaa ttcttacatt  1620
217 cacaacattt ctatacatat acgagtgtgc tattaagtga gggtcacctc caagtgaatg  1680
219 aatgtttcaa gcttagagaa tagcttttag ctaaattact ttaggaaact tgaaaatcat  1740
221 tttacatcag taaccgatat tcctttcatt tgattgtaag ggcttgaaga gctgttcttt  1800
223 gaatcatgta gcattgctag ctataattaa gaataacctt ttataatttc ttcaatgtta  1860
225 aatgcatgtt gatcatcttc aagaatatac tatatgacta gtcgttggaa aactaatgtg  1920
227 ttcatcttat ttcttttaca gggtgacaaa tcaatgatca agaagcgtta cattcatttg  1980
229 accgaagaaa tgcttgagga gcacccaaac attggtgctt atatggctcc atctctcaac  2040
231 attacgccaa gagattatca ctgctgaggt acctaaactt ggtaaagaag cagcattgaa  2100
233 ggctcttaaa gaatggggtc aaccaaagtc caagatcacc cattcttgta tttttgtacaa  2160
235 cctccggtgt agaaatgccc ggtgcagatt acaaactcgc taatctctta ggccttgaaa  2220
237 catcggttag aagggtgatc ttgtaccatc aaggttgcta tgcaggtgga actgtccttc  2280
239 gaactgctaa ggatcttgca gaaaataacg caggagcacg agttcttgtg gtgtgctctg  2340
241 agatcactgt tgttacattt cgtgggcctt ccgaagatgc tttggactct ttagttaggt  2400
243 caagcccttt ttggtgatgg gtcagcagct gtgattgttg gatcagatcc agatgtctcc  2460
245 attgaacgac ccctcttcca acttgtttca gcagcacaaa cgtttattcc taattcagca  2520
247 ggtgctattg cgggtaactt acgtgaggtg ggactcacct ttcacttgtg gcctaatgtg  2580
249 cctactttga tttccgagaa catagagaaa tgcttgaatc aggcttttga cccacttggt  2640
251 attagcgatt ggaactcgtt attttggatt gctcaccctg gtggccctgc aattcttgat  2700
253 gcagttgaag caaaactcaa tttagagaaa aagaaacttg aagcaacaag gcatgtgtta  2760
255 agtgagtatg gtaacatgtc tagtgcatgt gtctttgttt attttggatg agatgagaaa  2820
257 gaaatcccta aaggggggaaa aagctatcca caggtgacgg attggattgg gggtactatt  2880
259 cggttttggg ccaggcttga ccattgagac cgttgtgctg catagcgttc ctatggttac  2940
261 aaattgagtg gaaaacggta agagaaatga tataggggac atgtcttatt gtattatcag  3000
263 aggaggtgct acgaaagata tgtacatgta tcttcaaagt taataattag tactcctaaa  3060
265 tctttattc ctatcctaac attgagggat tgtaatttag tgattgttgg agggtgcagt  3120
267 cacgtcaggc aagtggatga aactgcaagt gcttgtcatt ctgttatcgg gggatcatcc  3180
269 atcacactgg cggccgctcg agcatgcat                                     3209
```

VERIFICATION SUMMARY   DATE: 11/14/2001
PATENT APPLICATION: **US/09/622,257A**   TIME: 08:51:48

Input Set : **A:\es.txt**
Output Set: **N:\CRF3\11142001\I622257A.raw**